

DZHAGATSPANYAN, R.V., kand.khimicheskikh nauk; ZETKIN, V.I., kand.  
khimicheskikh nauk

Some radiation reactions in organic synthesis. Khim.nauka i prom.  
no.6:761-769 '59. (MIRA 13:8)  
(Chemistry, Organic--Synthesis)  
(Radiochemistry)

KOROLEV, A.I., otv.red.; VUL'FSON, N.S., zam.otv.red.; BOGDANOV, S.V.,  
red.; DOKUNIKHIN, N.S., red.; MASLENNIKOVA, Ye.V., red.; PODIMAN,  
I.V., red.; KHOMSKIY, I.G., red.; ZETKIN, V.I., red.; SHPAK, Ye.G.,  
tekhn.red.

[Organic intermediate products and dyes; collected articles]  
Organicheskie poluprodukty i krasiteli; sbornik statei. Moskva,  
Gos.nauchno-tekhn.izd-vo khim.lit-ry. No.1. 1959. 238 p.

(MIRA 13:?)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

(Dyes and dyeing)

(Aromatic compounds)

21.3000

77278  
SOV/63-4-6-12/37

AUTHORS: Dzhagatspanyan, R. V., Zetkin, V. I., (Candidates of Chemical Sciences)

TITLE: Concerning Some Radiochemical Reactions of Organic Synthesis

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 6, pp 761-769 (USSR)

ABSTRACT:  
This is a review of literature data concerning the use of nuclear radiation for the initiation of chain and nonchain reactions; and utilization of reactions initiated by nuclear radiation in the chemical industry. The use of  $\text{Co}^{60}$  and  $\text{Cs}^{134}$  (as well as wastes of nuclear reactors) as the sources of  $\gamma$ -radiation initiating many chemical reactions was discussed. The following processes were considered in detail: chlorination and bromination of organic compounds initiated by radiation. Chlorination of benzene initiated by  $\text{Co}^{60}$  in the absence of  $\text{O}_2$  with "Freon-12" ( $\text{CF}_2\text{Cl}_2$ ) as a diluent

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Concerning Some Radiochemical Reactions  
of Organic Synthesis

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lead to the conclusion that there is a critical temperature for each benzene: chlorine: freon ratio in the reacting mixture. At the freezing point the yield of hexachlorocyclohexane and its isomers sharply decreases (to 0.75-1.5 mole/100 ev). A further lowering of the temperature results in a sharp increase in the yield of hexachlorocyclohexane (1,500 mole/100 ev). Thus it was suggested that a chain reaction takes place on the surface and in the crystals of benzene. Chlorination and bromination in the presence of radioactive initiators is conducted at a lower temperature and is safer than catalytic and chlorination under ultraviolet irradiation. Addition of silanes to unsaturated compounds, initiated by  $\gamma$ -radiation, sulfochlorination, and sulfoxidation are discussed. Chlorination of trimethylchlorosilane and ethyltrichlorosilane with elemental chlorine, initiated by

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of Organic Synthesis

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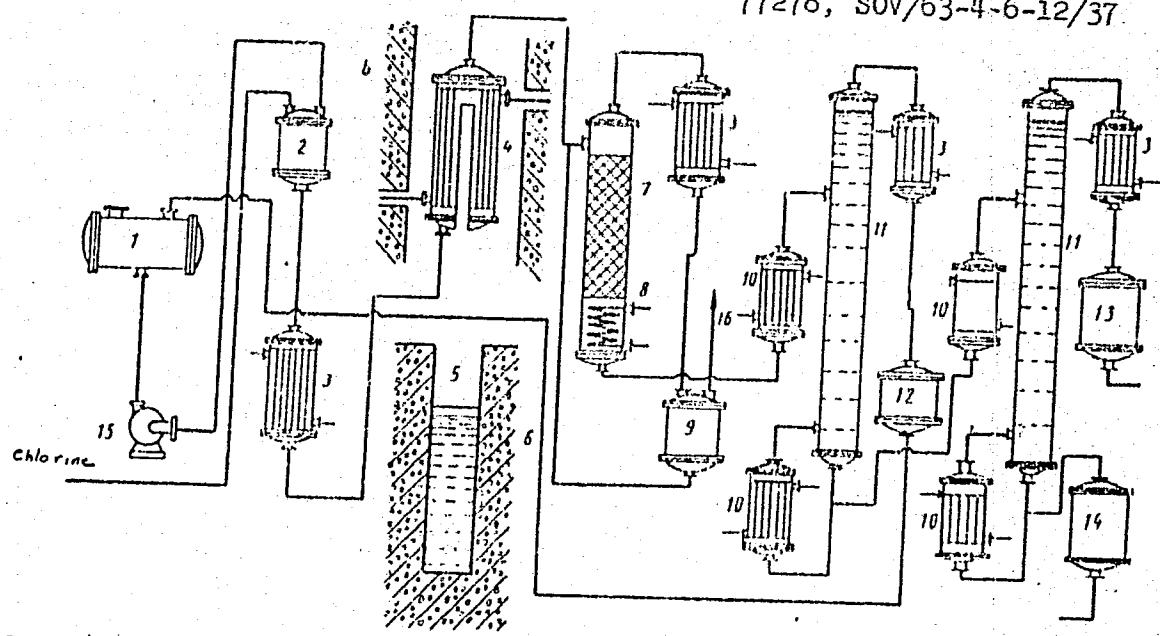
$\gamma$ -radiation, proceeds 100 times faster than chlorination with ultraviolet irradiation. The yield is 90%. The scheme shown in Fig. 2 of industrial chlorination of alkylchlorosilanes initiated by nuclear radiation is suggested. There are 84 references, 39 U.S., 6 U.K., 2 Swiss, 5 German, 3 French, 29 Soviet. The 5 most recent U.S. and U.K. references are: P. Cheek, V. S. Leinnenbom, J. Phys. Chem., 62, Nr 72, 1475 (1958); R. A. Cox, A. J., Swallow, J. Chem. Soc., 3727; (1958); J. F. Black, E. F. Baxter, Soap and Chem. Specialties, 34, Nr 10, 43 (1958); A. M. El. Abbady, L. C. Anderson, J. Am. Chem. Soc., 80, 1737 (1958); E. T. McBee, C. W. Roberts, G. W. R. Puerckhauer, J. Am. Chem. Soc., 79, 484 (1957).

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"APPROVED FOR RELEASE: 09/19/2001

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Concerning Some Radiochemical Reactions  
of Organic Synthesis

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Fig. 2. Flow sheet of radiochemical chlorination of alkylchlorosilanes: (1) raw materials storage tank; (2) mixer; (3) heat exchangers; (4) reactor; (5) well for keeping the initiator (source of  $\gamma$ -radiation); (6) shielding; (7) HCl evaporator; (8) steam coil; (9) drop trap; (10) heaters; (11) fractionating columns; (12) storage for the unreacted alkylchlorosilane; (13) storage for the manufactured product; (14) perchlorinated products; (15) raw material pump; (16) HCl exit.

Figure on Card 4/5

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5(3)

AUTHORS:

Bardenshteyn, S. B.,  
Dzhagatspanyan, R. V., Zetkin, V. I.

S/032/60/026/02/018/057  
B010/B009

TITLE:

Analysis of a Mixture of Isomeric Trichlorobzenes and of a  
Mixture of Isomeric Tetrachlorobzenes by Means of Infrared  
Absorption Spectra

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 26, Nr 2, pp 167 - 171 (USSR)

ABSTRACT:

A determination of the composition of a six component mixture consisting of tri- and tetrachlorobzenes cannot be carried out spectroscopically due to the insufficient resolving power of the IKS-11 spectrometer. For this reason it is recommended to separate the mixture into fractions of the isomers of the tri- and tetrachlorobzenes prior to analysis. In the present paper the  $6.97\mu$  absorption band was used as the analytical line for 1,2,3-trichlorobenzene. Carefully cleaned preparations were used (Table 1, Figs 1,2) for determining the spectra of the isomers. Carbon tetrachloride was used as solvent. The sample was separated into the isomers by vacuum distillation. It was found experimentally that the Lambert-Beer law holds for 1,3,5- and 1,2,4-trichlorobzenes as well as for all tetra-

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Analysis of a Mixture of Isomeric Trichlorobenzenes S/032/60/026/02/018/057  
and of a Mixture of Isomeric Tetrachlorobenzenes by B010/B009  
Means of Infrared Absorption Spectra

chlorobenzene isomers up to optical densities of 0.4-0.5, which corresponds to the necessary range of concentrations. 1,2,3-trichlorobenzene has to be determined graphically in the case of concentrations of more than 12% by weight. Data concerning the analytical results as well as the repeatability and calibration solutions are given (Table 2). Two samples of commercial products were analyzed by the above method, and the results were compared with those obtained by vacuum distillation. (Table 3). There are 2 figures, 3 tables, and 5 references, 1 of which is Soviet.

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ACCESSION NR: AP434A-32

and 81% and was irradiated to remove the chlorine. The reaction was carried out at

about 100°C in the presence of sulfur dioxide. The following reaction scheme may have taken place in that case. In the  $\gamma$ -radiation initiated reaction, an increase in the sulfur dioxide: chlorine ratio from 0.22 : 1 to 1.46 : 1 increased the sulfur incorporation into the product. At 100°C the reaction time was about 10 hours.

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CIA-RDP86-00513R001964510009-6

SEARCHED :

INDEXED :

FILED :

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"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

NEGRASOV, V. A.; ZETKIN, V. I.

Oxidation of phenol. Zhur. prikl. khim., 38 no. 5:1407-1409 Ja '65.  
(MIRA 18:10)

I. Brymskiy sel'skokhozyaistvennyy institut.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZETKIN, V.I.; PANCHENKOV, G.M.; ZAKHAROV, Ye.V.; KOLESNIKOV, I.M.;  
DZHAGATSPANYAN, R.V.

Chlorination and sulfochlorination of organic compounds in  
apparatus with periodical and continuous action. Khim. prom.  
41 no.10:733-734 O '65. (MIRA 18:11)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

KHROMENKOV, L.G.; DZHAGATSPANYAN, R.V.; SOKOLOV, V.A.; KOROLEV, B.M.;  
ZETKIN, V.I.

Structure formation in radiation sulfochlorinated polyethylene  
and its solutions. Vysokom. soed. 7 no.10:1776-1778 O '65.  
(MIRA 18:11)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZETKIN, V.I.; DZHAGATSPANYAN, R.V.; ZAKHAROV, Ye.V.

Chlorination of nitrobenzene. Zhur. prikl. khim. 38 no. 10:  
2379-2383 0 '65. (MIRA 18:12)

1. Submitted July 19, 1963.

ZETKIN, V. N.

USSR/Chemistry - Organosilicon Compounds 21 Feb 52

"The Synthesis of Organosilicon Compounds from Methylene Chloride and Silicon Dioxide,"  
A. V. Topchiyev, N. S. Nametkin, V. N. Zetkin "Dok Ak Nauk SSSR" Vol. LXXXII, No 6,  
pp 927-929

The reaction of methylene chloride with silicon dioxide under various conditions was studied. Preliminary expts indicated that below 300° the reaction does not run well. The optimum temp range is between 320 and 350°. The yield of organosilica compds decreases significantly at 400° in the 1st 10 hours of operation. In the following 10 hrs, the yield of SiCl<sub>4</sub> does not exceed 18-19%. At 300° the yield of organosilicon compds is increased when the rate of entry of methylene chloride is increased, but at higher temps, there is little difference. However, when the methylene chloride supply rate is increased, the yield of gaseous products is increased. Hexachlorodisilane-methane, bp 165° at 760 mm and 64° at 1 mm, one of the liquid products, fumes slightly in air.

ZETLIN, M. L.; GEL'FAND, I. M.:

"On the Mathematical Modelling of the Mechanisms of the Central Nervous System."

Report to be submitted for the Second General Assembly of the International Organization for Pure and Applied Biophysics (IOPAB). Paris, France, 22-27 June 1964.

ZETLIN, M.L.

USER

(INT. FEDERATION OF MEDICAL ELECTRONICS.)

Tentative reports for the 1st Int'l Conference on Medical Electronics, London, England, 21-27 Jul 60.

- GURVINKEL, V. S., Institute of Experimental Biology and Medicine, Siberian Dept., Academy of Sciences USSR; MALOMI, V. D., Scientific Research Testing Institute of Aviation Medicine, Moscow; and SHULIN, M. I., "Some aspects of the problem of bio-electrical control of medical applications" (Section 1); KOSHEVNIKOV, V. A., Prof., Institute of Physiology im. I. P. Pavlov, Academy of Sciences USSR, Leningrad - "Modern methods of analyzing records of bio-potentials" (Section 1); KUZNETSOV, A. G., Head, Physiolog. Dept., Scientific Research Testing Institute of Aviation Medicine - "A survey" (Section 2); LEVKOVICH, A. V., Corresponding Member, Academy of Medical Sciences USSR - "Biological applications of iontophoresis" (Section 3); NOGAILOVSKY, E., Scientific Institute of Evolutionary Radiobiology, Academy of Sciences USSR, Leningrad - "Biology of absorption of ultrahigh frequency radiation in tissues of the body" (Section 4); PASHIN, V. V., Prof., Active Member, Academy of Medical Sciences USSR - "Development of ballistocardiographic techniques in the USSR" (Section 5).

ZETNANSKY, Bohumil; LEHKA, Nadezda

Study of liquid penetration into softened P.V.C. Chem prum  
14 no.6:313-316 Je '64.

1. Research Institute of Welding, Bratislava.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

DORU, A., Ing.; GROSS, A.; ZETTEL, T.

New textures realized on interlock knitting machines.  
Ind text Patm 15 no.4:179-186 Ap '64.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZETTNER, Tamas, dr., a muszaki tudomanyok kandidatusa

Questions relating to the economy of controlling the main installations of power plants. Energia es atom 15 no.12:565-575 D '62.

1. Pocsai Hoeromu fomernoke.

LAKI, Gyula; SZADAY, Rezso; SZALAY, Jozsef; ERDELYI, Istvan, dr.; BENEDEK,  
Laszlo; KERENYI, ?; VARGA, Istvan; ZETTER, Tamas, dr.

Further remarks. Energia es atom 15 no.12:581-585 D '62.

1. Ganz-Mavag Szivattyukeszites (for Laki). 2. Lang Gepgyar (for  
Szadai). 3. Nusseripari Kutato Intezet (for Szalay). 4. HOTERV;  
es "Energia es Atomtechnika" szerkeszto bizottsagi tagja. 5. "Energia  
es Atomtechnika" szerkeszto bizottsagi tagja (for Benedek). 6. "Energia  
es Atomtechnika" felelos szerkesztoje; Energiaegazdalkodasi Tudomanyos  
Egycsulet fotitkara (for Varga).

UGPYUMOV, V.M.; AVTSYN, A.P.; VIKHERT, T.M.; ZETOV, Yu.V.; IVANOV-DYATLOW,  
F.G.; YERMILOV, A.A.

Severe experimental injury of the cranium and brain and problems  
in its treatment. Vop.neirokhir. 24 no.4:1-5 Je-Ag '60.

(MIRA 13:12)

(BRAIN—WOUNDS AND INJURIES)

ZETSEROV, B.M., inzh.

General-overhauling documents of circuit breakers. Energetik 6 no.9:  
5-8 8 '58.  
(MIRA 11:11)  
(Electric circuit breakers--Maintenance and repair)

ZETSEROV, B.M., inzh.

Interlocking the grounding disconnectors on bus bars. Elek.  
sta. 29 no.11:81-82 N '58. (MINA 11:12)  
(Bus conductors (Electricity))

ZETSEROV, B.M., inzh.

Installation of electric cutouts mounted on reinforced concrete  
stubs. Energetik 9 no.10:24-25 O '61. (MIRA 14:10)  
(Electric power distribution) (Electric switchgear)

ZETSEROV, B.M., inzh.

Placement of the grounding blades in the schematics of substations,  
Energetik 10 no.1:3-8 Ja '62. (MIRA 14:12)  
(Electric substations)  
(Electric currents--Grounding)

ZETSEROV, B.M., inzh.

Composite blocking of the grounding blades of RLND-type cutouts for  
two systems of collecting bars. Energetik 10 no.5:21-23 My '62.

(MIRA 15:5)

(Electric power distribution)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZETSEROV, B.M., inzh.

Manual switching of the VMQ circuit breaker for short circuits. Elek.  
sta. 29 no.5:85-86 My '58. (MIRA 12:3)  
(Electric circuit breakers)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZETSEKOV, B.M.

AUTHOR: Zetserov, B.M. Engineer SOV-91-58-9-2/29

TITLE: Major Repair Forms for Disconnecting Switches (Ob'ektakh kapital'nykh remontov vyklyuchateley)

PERIODICAL: Energetik, 1958, Nr 9, pp 5-8 (USSR)

ABSTRACT: A form which has to be filled in when a switch is sent in for major repairs is discussed and illustrated. Some superfluous points in the form are pointed out and its revision advised. There is 1 table.

1. Switches--Maintenance

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ZETSEROV, B.M., inzh.

Device for measuring the speed of movement of MKP-153 and MKP-160  
circuit breaker contacts. Energetik 5 no.9:24-26 S '57.

(MIRA 10:10)

(Electric circuit breakers)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZETSEROV, B.M., inzhener.

Some aspects of the adjustment of VM-35 circuit breakers.  
Energetik 4 no.7:26-27 J1 '56. (MLRA 9:9)  
(Electric circuit breakers)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZETSEROV, B.M., inshener.

Standard switchboard scheme for direct current. Elek, sta.  
24 no.12:51-53 D '53. (MLRA 6:12)  
(Electric switchgear)

ZETSEROV, B.M., inzh.; GINODMAN, P.I.

Blocking of the grounding switch blade in distribution systems.  
Mlek.sta. 32 no.9:62-66 S '61. (MIRA 14:10)  
(Electric currents—Grounding)

15(2)

SOV/131-59-8-3/14

AUTHOR: Zetserov, Ya. M.

TITLE: Prospects of the Development of the Borovich Kombinat for Refractory Products

PERIODICAL: Ogneupory, 1959, Nr 8, pp 342 - 344 (USSR)

ABSTRACT: In accordance with a decision by the Vsesoyuznyy institut ogneuporov (All-Union Institute for Refractory Products) the Borovich Kombinat will be reconstructed. A considerable increase in the make of refractory fire-clay products and ground materials as well as a quality improvement of refractory products is intended. A comprehensive mechanization and automation of working processes is also provided. The following is to be changed in the production departments of the Kombinat: Working Departments Nr 1, 4, and 8 are to be closed down for reasons of bad condition. Working Departments Nr 2, 3, and 5 are considered the basis for the future development of the Kombinat. Department 2 will obtain 2 additional tunnel furnaces, and the grinding-, mixing-, and pressing departments are to be enlarged and furnished with new equipment, thus raising the output of the Department to an annual amount of 250000 t

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Prospects of the Development of the Borovichi Kombinat SOV/131-59-8-3/14  
for Refractory Products

of various fire-clay bricks. Department 3 is to become a new department for steel casting. 4 modern tunnel furnaces with automatic drying plants are to be installed in this department. The output of this department is to amount to 250000-260000 t a year. Department 4 is to be replaced by a new department for refractories of complicated shape and with a single weight of from 90-100 kg. Pulverized clay and fire clay will be produced here in the form of mortar for foundries and metallurgical plants. The output of this plant will amount to 60000 t a year. In Department 5 the annular kilns are to be replaced by a tunnel furnace with an output of from 60000-70000 t a year. In view of supplying the Kombinat with fire clay up to an amount of 450000-500000 t a year the present Department Nr 1 is to be equipped with a second rotary furnace for the burning of, thus raising the annual output of the Department to 180000-200000 t. Furthermore, a new fire-clay burning department with 2 rotary furnaces is to be set up, which will attain an annual output of from 250000-300000 t. The Kombinat is to change over to natural

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Prospects of the Development of the Borovich Kombinat SOV/131-59-8-3/14  
for Refractory Products

gas, thus leading to an improvement of quality and to a reduction of production cost. Lenenergo is to serve as a main source for the power supply of the Kombinat. For construction- and assembly work in the Kombinat a construction center is established in the Ust'ye-Brynkino rayon. As a result of reconstruction, the capacity of the Kombinat will be raised to 650000 t of refractory fire-clay products of first-rate quality and 60000 t of ground materials. A considerable increase of working productivity and a reduction of production cost is thus to be attained.

ASSOCIATION: Vsesoyuznyy institut ogneuporov (All-Union Institute for Refractory Products)

Card 3/3

ZETSEROV, Ya. M.

*(P)*  
**Reconstruction of refractory plants in the Donets Basin**  
**(Ukraine). YA. M. Zetserov. Ognenopry, 11 [2] 3-14**  
**(10-10).--Brief descriptions with sketches are given of the**  
**progress in reconstruction of refractory plants in the**  
**Donets Basin, with emphasis on (1) storage of raw ma-**  
**terials, (2) mechanization of feeding, (3) use of continuous**  
**type tunnel driers, (4) reconstruction of kiln bottoms, and**  
**(5) storage of finished products. A thorough study of the**  
**functioning of the Keller conveyor system is proposed.**

B.Z.K.

4-2-10

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

1075. THE REEDER CONVEYOR.—Y. M. Zelacroy (*Ogenschwy*, II, No. 3, 16, 1946). A preliminary note is given on an experimental Reeder conveyor.

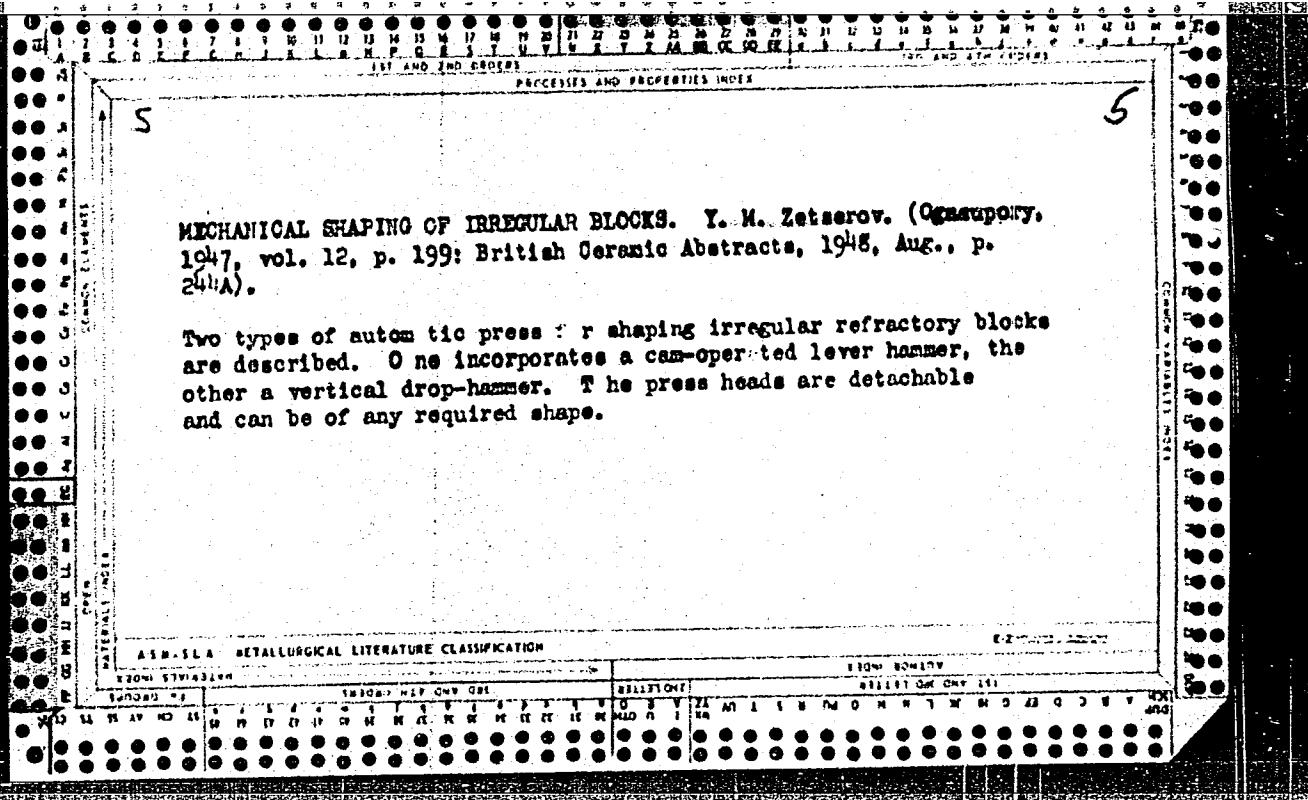
APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

*13C.B.*  
Winning Preparation.  
Shaping 8/18/48

**1338. MECHANICAL SHAPING OF IRREGULAR BLOCKS.—Y. M. Zelenov**  
(*Ogonyok*, 12, 189, 1947). Two types of automatic press for shaping irregular

refractory blocks are described. One incorporates a cam-operated lever hammer, the other a vertical drop-hammer. The press heads are detachable and can be of any required shape. (3 figs.)



ZETSEROV, Ya. M.

21803 ZETSEROV, Ya. M. Oborudovaniye dlya mekhanizatsii trudoyemkikh protsessov. Ognepory, 1949, No. 6, s. 298-306.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZETSEROV, Ya. M., Engr.

"Equipment for mechanizing labor consuming operations"

Ogneupory, No. 7, 1949

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZETSEROV, Ya. M., Engr.

"Mechanization of operations in finished production stores and of the loading of parts  
into railroad trucks"

Ogneupory, No. 8, 1949

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

*Manufacturing Processes*  
2/1930

*BC8*

184. New types of conveyors for large-tonnage loads.—V. M. Zhitarov  
(Ognyany, 14, 188, 1940). Eight new conveyor types are described: (1) belt conveyors without rollers cased in to avoid raising dust; (2) narrow-belt conveyors with belts 300 mm. wide (instead of 500 mm.) for powdered materials; (3) steel belt conveyors 10-20 times stronger than the rubber-coated belts, cheaper, acid- and heat-resistant and allowing a power economy of 20-30%; (4) wire-mesh belt conveyors with qualities similar to those of the previous type. Four kinds of two-way conveyors are also described; these are of the chain, perforated, electrovibrating and pneumatic types. (8 figs., 1 table.)

ZETSEROV, YA. M.

27149. ZETSEROV, YA. M. Mekhanizatsiya rabot na skladakh gotovoy produktsii i pogruzki izdeliy v zheleznodorozhnyye vagony. Ogneupory, 1949, No. 8, s. 354-61

So: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

*Manufacturing Declassified  
3/1/1950*

*BCS*

852. Equipment for the mechanization of heavy manual tasks.—*V.A. M.*  
~~Engineering~~ (January, 14, 228, 1949). Equipment is described for loading and  
unloading railway trucks, for shunting tunnel kiln cars, and for transporting ware.  
(8 figs.)

ZETSEROV, Ya. M.

183T62

USSR/Engineering - Refractories, Trans- Jun 51  
portation

"Transportation of Refractory Products in Containers,"  
Ya. M. Zetserov, Engr, Leningrad Inst of Refractories

"Ogneupory" No 6, pp 266-272

Expt conducted for transportation of refractories in  
folding-type containers which when folded occupy  
1/3 the space occupied when in use. Elec bridge  
crane is best loading device, but this syst may also  
be used in warehouses when only motor loaders are  
available.

LC

183T62

ZETSEROV, YAKOV, MIKHAYLOVICH

ZETSEROV, Yakov Mikhaylovich; KAS'YANOV, S.F., redaktor; VAGIN, A.A.  
redaktor Izdatel'stva, SVENSON, I.M., tekhnicheskij redaktor

[Comprehensive mechanization of plants manufacturing refractory  
materials] Kompleksnaja mehanizatsija na cernykh zavodakh.  
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoj  
metallurgii, 1957. 312 p.  
(Refractory materials)

15(0), 15(2)

AUTHOR:

Zetserov, Ya. M.

SOV/131-59-1-3/12

TITLE:

Karagandinskiy Works of Refractory Products (Karagandinskiy  
ogneupornyy zavod)

PERIODICAL:

Ogneupory, 1959, Nr 1, pp 13-18 (USSR)

ABSTRACT:

The erection of this factory is planned in the town of Temir-Tau; it shall supply the rising industry in the Kazakhstan and the bordering areas with refractory products of high resistance. Its annual capacity shall be 400,000 tons of fire-brick products, 45,000 tons of aluminous products, 25,000 tons of light products, as well as 75,000 tons of mortar, powder and pastes. The Arkalykskoye deposit of refractory types of clay and aluminous earth in the Kustanayskaya oblast' shall serve as a basis of raw materials for the works. This deposit permits a yield of open-work mining granting low production costs of the raw materials. The project of the works provides for modern technical equipment and advanced working organization, thus enabling a supply of refractory products of high quality to blast furnaces, air heaters, steel-casting plants, heating furnaces and other heating units. The factory shall include the following departments (Fig. 1):

Card 1/2

Karagandinskiy Works of Refractory Products

SOV/131-59-1-3/12

a central fire-clay burning plant; a general milling department; a building block for the mass (paste) production, the pressing and burning of all refractory materials produced, and the mortar department. Further, the working methods of the factory are described in detail showing the machine for unloading the clay from railroad cars in figures 2 and 3. The furnaces are heated with fuel oil. For the management of the factory, a central control panel is installed in addition to the department panels. The factory shall cooperate with the projected metallurgic works in the field of gas, current and water supply as well as sewerage and others. The works shall yield great profits and be amortized in less than 4 years. There are 4 figures.

ASSOCIATION:

Vsesoyuznyy institut ogneuporov (All-Union Institute of Refractories)

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15(2)

AUTHOR: Karklit, A. K.

SOV/131-59-2-13/16

TITLE: External Meeting of the Scientific-Technical Council of the All-Union Institute of Refractories at the Borovich Kombinat of Refractories (Vyyezdnaya sessiya Nauchno-tehnicheskogo soveta Vsesoyuznogo instituta ogneuporov na Borovichskom kombinate ogneuporov)

PERIODICAL: Ogneupory, 1959, Nr 2, pp 93-93 (USSR)

ABSTRACT: In November 1958 a joint meeting of the NTS Vsesoyuznogo instituta ogneuporov (NTS, All-Union Institute of Refractories), of the Tekhnicheskiy sovet kombinata (Technical Council of the Kombinat and the Institute) took place. It was devoted to the discussion of the prospects of the development of the Kombinat for the years 1959-1965. Ya. M. Zetserov reported on the prospects of development of the production and auxiliary departments. V. I. Kaspar'yan on the prospects in mining industry, and K. A. Shalkov on new technological methods of producing dense refractories containing a high amount of fireclay. Engineers and technical collaborators and leading workers of the Kombinat as well as scientists of the All-Union

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SOV/131-59-2-13/16

External Meeting of the Scientific-Technical Council of the All-Union  
Institute of Refractories at the Borovichi Kombinat of Refractories

Institute of Refractories, representatives of the Leningrad Sovnarkhoz and public organizations took part in the discussion of the reports. Z. L. Dobrin spoke about the necessity of improving the production technology of pantiles. M. N. Bluvshteyn reported on the development of the Central Laboratory of the Kombinat, and Z. M. Rutman on the construction of pyrometric test plants. S. V. Glebov emphasized the necessity of increasing the burning temperature of the products. A. K. Karklit pointed to the necessity of carrying out a number of scientific research in the field of technology and automation of production. A. I. Yakovlev underlined the necessity of an improvement of quality of the products. The secretary of the Borovichskiy gorodskoy komitet KPSS (Borovich Municipal Committee of the CPSS) I. V. Smirnov pointed to the importance of comprehensive solutions in the planning of the further development of the Kombinat by taking into account the interests of the economic district as a whole. The director of the Institute N. P. Gordeyev and the director of the Kombinat M. U. Konarev summarized the results of the reports. The meeting passed a resolution on the further

Card 2/3

SOV/131-59-2-13/16

External Meeting of the Scientific-Technical Council of the All-Union  
Institute of Refractories at the Borovichi Kombinat of Refractories

development of the production departments of the Kombinat.  
With the start of operation of the Ore Mine "Klyuchensk"  
the Kombinat will receive a yearly amount of about 60,000  
tons of local aluminous raw material. The resolutions were  
submitted to the Leningrad Sovnarkhoz.

ASSOCIATION: Vsesoyuznyy institut ogneuporov  
(All-Union Institute of Refractories)

Card 3/3

ZEFISEROV, Ya.M., inzh.

Ways and means of mechanizing warehouses of manufactured  
refractories. Ogneupory 19 no.1:18-24 '54. (MIRA 11:8)

1. Leningradskiy institut ogneuporov.  
(Refractory materials--Storage)  
(Warehouses--Equipment and supplies)

ZETSEROV, Ya.M.; SIDORENKO, Yu.P.

Dzerzhinskii dinas plant in Krasnoarmeyskoye, following  
reconstruction. Ognepory 23 no.7:299-302 '58. (MIRA 11:9)

1. Leningradskiy institut ogneuporov (for Zetserov).
2. Dinasovyy zavod im. Dzerzhinskogo (for Sidorenko).  
(Krasnoarmeyskoye (Stalino Province)--Firebrick)  
(Factories--Design and construction)

AUTHORS: Zetsarov, Ya. M., Sidorenko, Yu. P. SOV131-58-7-3/14  
Krasnoarmeysk

TITLE: The Dinas Brickyards imeni Dzerzhinskiy After Modernization  
(Krasnoarmeyskiy dinasovyy zavod im. Dzerzhinskogo posle re-  
konstruktsii)

PERIODICAL: Ogneupory, 1958, Nr 7, pp. 299 - 302 (USSR)

ABSTRACT: The brickyards consist of 2 complexes of buildings located in parallel and plants which are separated by a road, sidewalks and lawns. The first complex consists of the following departments: quartzite depot with hoists and transport means for 30,000 t; crushing department with 4 crushers and conveyer belts; grinding department with 6 edge mills and conveyer belts; charging department with 24 bunkers with a total capacity of 360 m<sup>3</sup>, with 2 conveyer belts. The brickyards work with quartzites of the Ovruckskoye deposit; department for lime and ferriferous additions. The second complex consists of the following departments: mixing and pressing department with 12 mixers and edge mills, 9 revolving and 17 friction presses with a pressure of 250 t; drying departments at both sides of the pressing department with altogether 25 tunnel dryers with automatically controlled heat

Card 1/3

Krasnoarmeysk  
The Dinas /Brickyards imeni Dzerzhinskiy After  
Modernization

SOV/131-58-7-3/14

regime; 2 kiln departments next to the drying departments with 2 gas chamber kilns with automatic control and measuring instruments. Depots for finished products are at both sides of the kilns; the transport is carried out by means of electric and hand-driven-truck loading devices. Besides, there is a complex of buildings in the brickyards provided for the new dinas brick-yards with two tunnel kilns (constructed by the Leningrad Institute of Refractories). Also various dust protection devices are installed. The gas generator plant consists of 9 generators. In tables 1 and 2 the comparative values for dinas masses and physical-ceramic materials for dinas products are mentioned. In 1957 the output of products of first quality was increased by 45% and the waste was decreased by 2.5 times. The productivity was increased by 33% and the sanitary-hygienic conditions were improved. Many improvements are still planned. There are 2 tables.

Card 2/3

Krasnoarmeysk  
The/Dinas Brickyards imeni Dzerzhinskiy After  
Modernization

SOV/ 131-58-7-3/14

ASSOCIATION: Leningradskiy institut ogneuporov (Leningrad Institute of  
Refractories) Dinasovyy zavod im. Dzerzhinskogo (Dinas Brick-  
yards imeni Dzerzhinskiy)

1. Industrial plants--USSR 2. Minerals--Processing 3. Ceramic  
materials--Production

Card 3/3

ZETSEROV, Ya.M., inzh.

New decisions in the manufacture of dinas bricks. Ogneupory 19  
(MIRA 11:9)  
no.4:201-213 '54.

1. Leningradskiy institut ogneuporov.  
(Firebrick)

ZETTEL'-KOGAN, R. I.

USSR/Medicine - Diphtheria  
Medicine - Toxin - Antitoxin

Mar 1945

"Course of Diphtheria in Inoculated Children," R. I.  
Zettel'-Kogan, A. G. Shneyerova, Clinic Children's  
Infectious Diseases, Sverdlovsk Med Inst, Sverdlovsk  
Inst for Protection of Motherhood and Childhood, 1 p

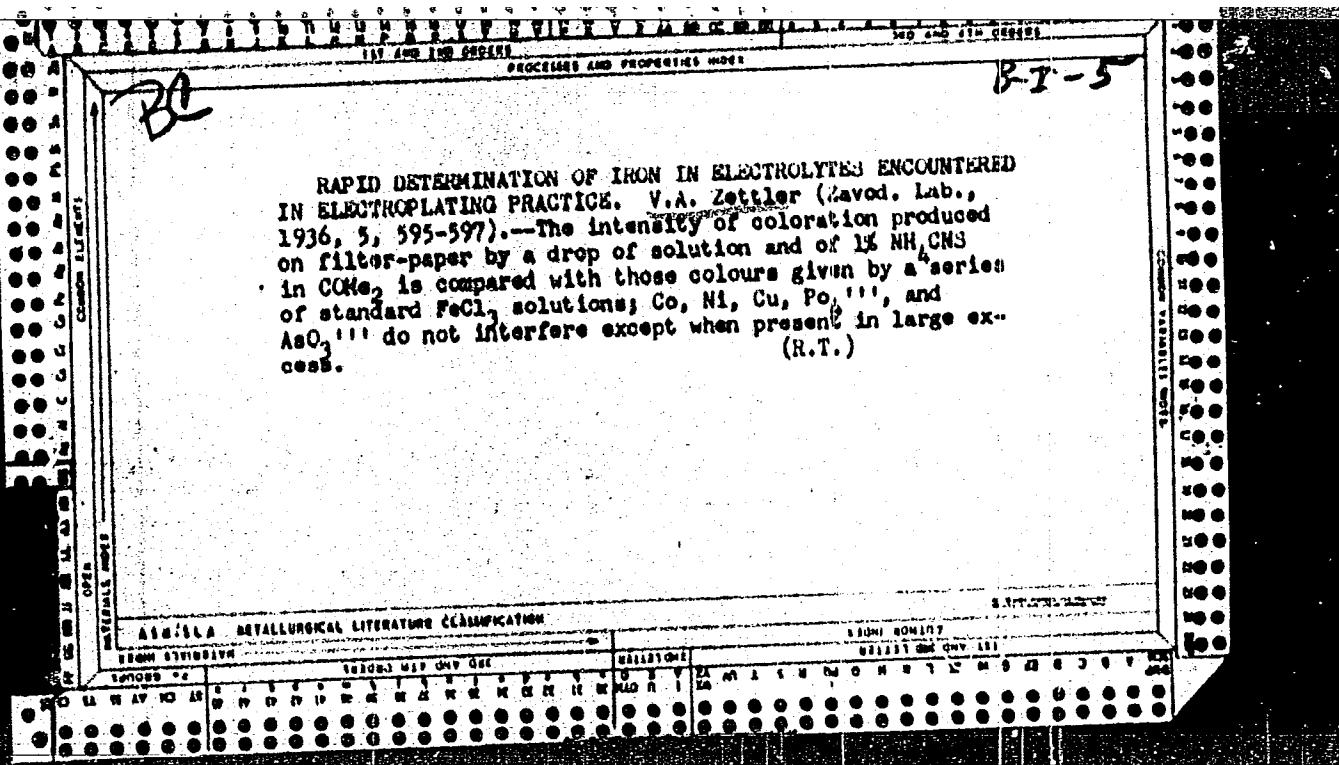
"Sovets Medits" No 3

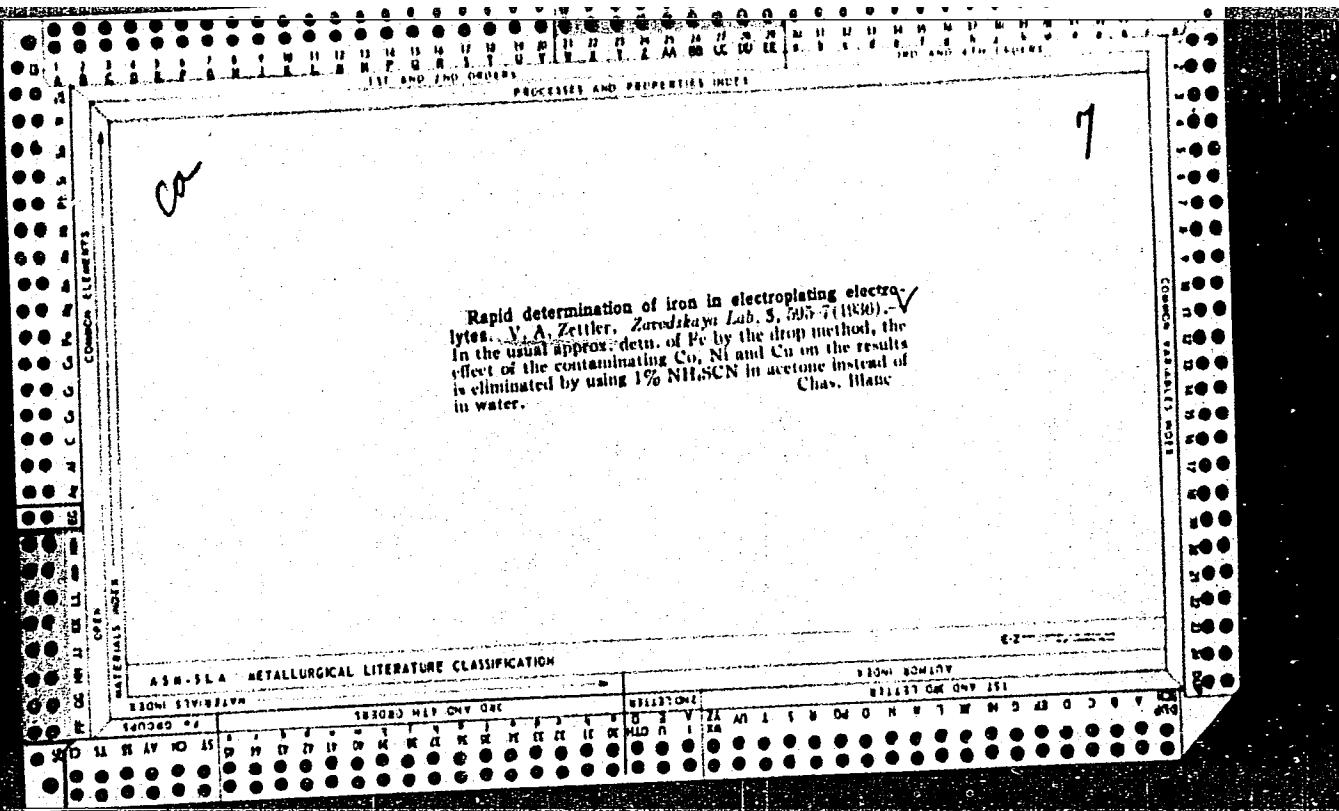
Among diphtheria patients hospitalized in 1944, con-  
siderable number (44.7%) had been immunized. Study  
of the difference in the clinical course of diph-  
theria in patients that had been immunized against  
diphtheria and patients that had not been immunized.  
Among those immunized, there was not a single fatal  
case.

51T50

ZETTELAYER, Tibor, okl.g.m. (Budapest VI., Lenin korut 86.I.6.)

Exchange of parts - among radio amateurs. Radioteknika 12  
no.10:343 0 162.





FESZLER, Gyorgy, dr.,; ZETTLER, Sebo, dr.

Therapy of hemorrhagic peptic ulcer. Orv. hetil. 97 no.6:161-164  
5 Feb 56.

1. Az Orszagos Vertranszfuzios Szolgalat Kozponti Kutato Intezete  
Sebeszeti Osztalyanak (igazgato: Sores Balint dr.) kozl.  
(PEPTIC ULCER, hemorrh.  
ther., indic. (Hun))

ZETTNER, T.

"Variable operational conditions of steam turbines and condensers; presentation of methods of measurements and investigation." (To be contd.) p. 145.

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet).  
Budapest, Hungary, Vol. 12, No. 2/3, Feb./Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

ZETTNER, Tamas, dr., a muszaki tudomanyok kandidatusa

Appraisal of process control of steam boilers and steam turbines. Energia es atom 17 no.10:461-465 O '64.

1. Electric Power industry Research Institute, Budapest.

ZETTNER, Tamas, dr., a műszaki tudományok kandidátusa

Evaluation of process control of steam boilers and steam turbines. Pt.1. Energia és atom 17 no.9:395-401 S '64.

1. Electric Power Industry Research Institute, Budapest.

1. ZETYUKOV, N.A.
  2. USSR (600)
  4. Dnieper Valley - Pine. (Continued)
  7. Planting pine in clumps with peat fertilizer on Lower Dnieper sands, Les i step' 5 no. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

1. ZETYUKOV, N.A.
2. USSR (600)
4. Dnieper Valley - Pine (Continued)
7. Planting pine in clumps with peat fertilizer on Lower Dnieper sands,  
Les i step' 5 no. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

ca

11a

Membranes of spores and pollen. II. *Lycopodium clavatum* L. 2. FRITZ ZETZSCHE AND HANS VICARI. *Helv. Chim. Acta* 14, 18-22 (1931); cf. C. A. 22, 2040. The acidulin from lycopodium spores previously described was not free from cellulose and ash. The cellulose could not be entirely removed by Schweitzer's cuprammonium reagent. Treatment with 80%  $H_2SO_4$  gave a cellulose-free product, so did 70%  $H_2SO_4$ , but some sulfonation took place. Ash was reduced to < 0.2% by concd  $H_2SO_4$ . Hydroxyl groups were detd. by acetylation. The formula is fixed as  $C_{11}H_{16}O_3(OH)_2$ . The yield was 23.8% of the spores. III. 2. *Picea orientalis*, *Pinus sylvestris* L., *Corylus avellana* L. *Ibid* 12-7. Qual. tests on many pollen showed that their hulls or membranes are similar chemically to lycopodium-sporopollenin, and the name *pollenin* is proposed for such compds. Three were isolated by treating the pollen successively with volatile solvents,  $KOH$ ,  $H_2PO_4$  and  $H_2$ , and their formulas detd. as: *Picea* pollenin,  $C_{11}H_{16}O_3$ ; *Pinus* pollenin,  $CollinO_3$  or  $C_{11}H_{16}O_3(OH)_2$ ; *Corylus* pollenin,  $CollinO_3$ . The yields were, resp., 21.0, 20.0 and 7.3% of the pollens. IV. 3. Fossil sporopollenins from Tasmanite and Russian lignite. FRIEDRICH ZETZSCHE, HANS VICARI AND GUSTAV SCHÄFER. *Ibid* 17-78. Fossil spores and pollen have been found in many coals and oil shales. Selected specimen of a Tasmanian oil shale, tasmanite, were ground and the organic material was sepd. from the sand by floating on  $CCl_4$ . Clay was removed by shaking with soap soln. The crude sporopollenin, i. e., mix. of spore and pollen membranes, obtained was purified as previously described. The yield was 17% of a substance with the probable formula,  $CollinO_3(OH)_2$ , for which the name *tasmanin* is proposed. From a lignite from the Tschulchowsky deposits near Skopin 8.6% of a fossil sporopollenin,  $CollinO_3(OH)_2$ , was isolated. This is believed to be derived from macrospores of the genus *Bothrodendron*; hence the name *bothrodendrin* is proposed for the compd. A S-contg. sporopollenin was also present. Recent lycopodium-sporopollenin and fossil bothrodendrin dissolve in concd.  $HNO_3$  in 12-24 hrs. at room temp.; tasmanin requires 3 weeks. This is attributed to the decreased no of OH groups making it more paraffin-like in character.

F. E. GRISWOLD

S/137/62/000/011/011/045  
A052/A101

AUTHOR: Zeunert, Fritz

TITLE: A movable stand of cold rolling pilger mill

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1962, 34, abstract  
11D201P (Czech. pat., no. 99789, May 15, 1961)

TEXT: A pilger-mill stand design for simultaneous cold rolling of two tubes is proposed. The mill consists of a movable stand 1 (see Figure) in which rolls 2 with two passes are installed. By means of two rods 3 the stand is connected with journals of crankshaft 4 which through pulleys 5 is driven by electric motor 6. To counterbalance the horizontal forces when the tube is supplied to rolls the crankshaft has counterweights 7. The counterbalancing of vertical forces produced by the weight of rolled tubes is effected by load 9 connected by rod 8 with the crankshaft.

G. Mekhed

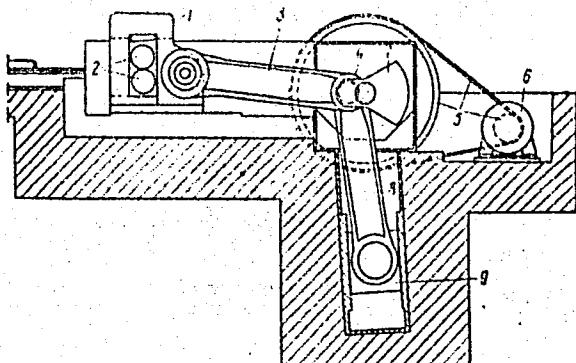
[Abstracter's note: Complete translation]

Card 1/2

A movable stand of cold rolling pilger mill

S/137/62/000/011/011/045  
A052/A101

Figure.



Card 2/2

KRECHETOVA, I. (Kurgan); IGNATENKO, N. (Belgorod); LISGOTIN, V.;  
ZEVAKHIN, A., inzh. po tekhnike bezopasnosti

Editor's mail. Okhr. truda i sots. strakh. 6 no.3:22 Mr '63.  
(MIRA 16:4)

1. Derevoobrabatyvayushchiy zavod tresta "Stroydetal'-70"  
(for Zevakhin).

(Industrial hygiene)

BUGROV, Stepan Vasil'yevich.; ZEVAKHIN, Arkadiy Nikiforovich.; POLYAKOV,  
Aleksandr Semenovich.; GODNEV, Ye.D., red.; SHAKHOVA, L.I., red. izd-va.;  
BACHURINA A.M., tekhn. red.

[Work practices of mechanized working circles(Kamyshin, Stepnoye,  
Koltubanka). Opyt raboty mekhanizirovannykh leskhozov(Kamyshinskogo,  
Stepnogo i Koltubanskogo). Moskva, Goslesbumizdat, 1957. 55 p.  
(MIRA 11:12)

(Forests and forestry--Equipment and supplies)

USSR / General and Specialized Zoology. Insects. Harmful Insects and Acarids. Chemical Methods in the Control of Harmful Insects and Acarids.

P

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 82934

Author : Vashkov, V. I.; Zevakhina, I. S.

Inst : Central Scientific Research Institute for Disinfectants

Title : Synthesized Insecticides (Review)

Orig Pub : Tr. Tsentr. n.-i. dezinfekts. in-ta, 1957, vyp. 10,  
142-154

Abstract : No abstract given

Card 1/1

ZEVAKIN, A.I., inzh.

System for locating damaged sectors in high-voltage power  
lines. Prom. energ. 17 no. 6:18-22 Je '62. (MIRA 17:6)

BOGDANOV, K.D.; DELIBASH, B.A.; VENETSIANOV, Ye.A.; GUREYEV, V.A.;  
ZHIVOV, M.S.; ZEVAKIN, A.I.; NAYFEL'D, M.R.; NEYMAN, Kh.G.;  
KUZNETSOV, M.P.; RIZOVATOV, A.V.; RUBINSHTEYN, Ya.A.;  
TRIFONOV, A.N.; TRUNKOVSKIY, L.Ye.; KHROMCHENO, G.Ye.

[Organization and performance of electrical equipment installation operations] Organizatsiya i proizvodstvo elektromontazhnykh rabot. Moskva, Stroizdat, 1964. 602 p.  
(MIRA 18:3)

DELAROVA, N.I. (Leningrad); ZAVARITSKAYA, T.A. (Leningrad); ZEVAKIN, I.A.  
(Leningrad); TSEKHOVOL'SKAYA, Z.I. (Leningrad)

Impurities in commercial titanium tetrachloride and their removal.  
Izv. Akad. SSSR. Otd. tekhn. nauk. Met. i tsvpl. no. 4:33-38 Jl-Ag '60.  
(MIRA 13:9)

(Titanium chlorides--Spectra)  
(Vapor liquid equilibrium)  
(Leaching)

18.3100

82616  
S/180/60/000/004/006/027  
E111/E452AUTHORS: Delarova, N.I., Zavaritskaya, T.A., Zevakin, I.A. and  
Tsekhovol'skaya, Z.I. (Leningrad)TITLE: Impurities in Technical Titanium Tetrachloride and  
Their RemovalPERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh  
nauk, Metallurgiya i toplivo, 1960, No.4, pp.33-38

TEXT: The authors point out the influence of titanium-tetrachloride purity on that of titanium obtained from it. For investigating the nature of impurities in titanium tetrachloride the authors used infrared absorption spectra. The impurities in tetra-chloride obtained by chlorination of slags in stack electric furnaces, in melts and in a fluidized bed are shown in Table 1. The solubilities of the main impurities in titanium tetrachloride were determined, values in weight percent at 0 to 136°C being shown in Table 2 for HCl, CO<sub>2</sub>, Cl<sub>2</sub> and COCl<sub>2</sub>; solubilities of TiOCl<sub>2</sub> and C<sub>6</sub>C<sub>16</sub> are shown as functions of temperature (-20 to +136°C) in Fig.1a and 1b respectively. The authors also checked the vapour-liquid equilibrium compositions for the system TiCl<sub>4</sub> - SiCl<sub>4</sub> (Fig.2a) and investigated equilibria in TiCl<sub>4</sub> - VOCl<sub>3</sub>

Card 1/2

82616  
S/180/60/000/004/006/027  
E111/E452

### Impurities in Technical Titanium Tetrachloride and Their Removal

mixtures (Fig. 2b) and  $TiCl_4 - CCl_3COCl$  mixtures (Fig. 4). These results are shown in the form of composition of vapour phase as functions of that of the liquid phase, the relative volatility as a function of the concentration of volatile component in the liquid is shown in Fig. 3a for  $TiCl_4 - SiCl_4$ , Fig. 3b for  $TiCl_4 - VOCl_3$  and Fig. 5 for  $TiCl_4 - CCl_3COCl$ . The relative volatilities in  $TiCl_4 - VOCl_3$  and  $TiCl_4 - CCl_3COCl$  are small and rectification columns with many plates would be required for their separation. Determinations were made of the partial vapour pressures of  $TiOCl_2$  and  $C_6Cl_6$  over their mixtures with  $TiCl_4$  at 136 to 137°C by analyzing the condensed vapour phase in equilibrium with solution boiling at atmospheric pressure: the low values obtained (Tables 3 and 4 respectively) suggest that contamination by these substances is due largely to carry-over of droplets. There are 5 figures, 4 tables and 7 references: 5 Soviet, 1 English and 1 Japanese.

SUBMITTED: April 30, 1960

Card 2/2

KORYTNYY, David Markovich; ZEVAKIN, F.N., nauchnyy red.; SAZIKOV,  
M.I., red.; PEREDERIY, S.P., tekhn.-red.

[Mechanization and automation of machining on lathes] Mekhani-  
zatsiya rabot na tokarnykh stankakh. Moskva, Proftekhizdat,  
1962. 151 p. (MIRA 16:3)

(Turning) (Automation)

KORYTNYY, David Markovich; TSVIS, Yu.V., doktor tekhn.nauk, retsenszent;  
ZEVAKIN, F.N., inzh., red.; BALANDIN, A.F., red.izd-va; SMIRNOVA,  
G.V., tekhn.red.

[Gear-cutting tools] Zuboreznyi instrument. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1960.  
(Gear-cutting machines)

BAKLUNOV, Yevgeniy Dmitriyevich; MANUYLOV, L.K., kand.tekhn.nauk,  
retsensent; ZEVAKIN, F.N., inzh., red.; BALANDIN, A.Y.,  
red.izd-va; "EL'KIND", V.D., tekhn.red.

[Broaches; design, technology of their manufacture, and operation]  
Protiazhki; konstruktsiia, tekhnologija izgotovlenija i eksploataciiia.  
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry.  
1960. 167 p.

(Broaching machines)

KORYTNYY, David Markovich; ZEVAKIN, F.N., nauchnyy red.; BASHKOVICH, A.L.,  
red.; DOROZHNOVA, L.A., tekhn.red.

[Multiple machining] Gruppovoi metod mekhanicheskoi obrabotki.  
Moskva, Vses.uzhebno-pedagog.izd-vo, 1959. 81 p. (MIRA 13:3)  
(Metal cutting)

ZAVARITSKAYA, T.A.; Prinimali uchastiye: DELAROVA, N.; TSEKHOVSKAYA, D.;  
ZEVAKIN, I.; MISHENEVA, Ye.; ROGATKIN, A.

Investigations in the field of titanium tetrachloride purification.  
Titan i ego splavy no. 5: 195-200 '61. (MIRA 15:2)  
(Titanium chloride)  
(Distillation)  
(Vapor-liquid equilibrium)

S/080/61/034/012/014/017  
D204/D305

AUTHORS: Zavaritskaya, T.A., and Zevakin, I.A.

TITLE: Solubility of carbon oxysulphide in titanium tetrachloride

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 12, 1961,  
2783 - 2784

TEXT: The study was carried out since no data regarding the solubility of carbon oxysulphide in  $TiCl_4$  could be found in the literature. The knowledge of solubility is important since  $TiCl_4$  used in metallurgy should contain no trace of COS which may degrade the mechanical properties of metals. Pure, dry COS, prepared by the action of  $H_2SO_4$  on  $NH_4CNS$ , was used to saturate small quantities (5 - 7 ml) of  $TiCl_4$ , under atmospheric pressure. The temperatures were controlled thermostatically and were between  $0^\circ$  and  $100^\circ C$ . The solubilities were determined with an UKC-12 (IKS-12) infra-red spectrometer using an LiF prism, by observing the COS absorption band at  $\nu = 2043 \text{ cm}^{-1}$  in 0.01 cm layers of solutions saturated at dif-

Card 1/2

S/080/61/034/012/014/017

D204/D305

Solubility of carbon oxysulphide...

ferent temperatures. These observations were then compared to a calibration graph, prepared with  $TiCl_4$  solutions of known COS content which showed a linear relationship between the optical density and COS concentration up to 0.075 % of the latter. Saturated solutions were, therefore, diluted before analysis with known volumes of pure  $TiCl_4$  to lower the COS to 0.01 - 0.02 % by weight. It was found that the solubility of COS in  $TiCl_4$  varies between 9.5 weight % at  $0^{\circ}C$  and 1.1 % at  $100^{\circ}C$ . Sensitivity of this method of analysis was  $1.5 \times 10^{-5}$  % and the relative error did not exceed 5 - 7 %. There are 2 figures, 1 table and 2 Soviet-bloc references.

ASSOCIATION: Vsesoyuznyy alyuminiyev-magniyevyy institut (All-Union Institute of Aluminum and Magnesium)

SUBMITTED: March 17, 1961

Card 2/2

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

~~ZEVAKIN, L.V.~~

Determining the flight trajectory of a shuttle by the photographic  
method. Tekst.prom.14 no.12:23-24 D'54. (MLRA 8:2)  
(Looms)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZEVAKIN, Leonid Vasil'yevich; IVANOV, P.P.P., red.

[Automation and mechanization in weaving] Avtomatizatsiya i mekhanizatsiya v tkachestve. Ivanovo, Ivanovskoe knizhnoe izd-vo, 1962. 227 p. (MIRA 17:5)

ZEVAKIN, L.V.

New design of thread cutters and catchers for automatic looms.  
Nauch.-issl.trudy IvNITI 23:30-48 '59. (MIRA 14:4)  
(Looms)  
(Automatic control)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZEVAKIN, L.V.

ZEVAKIN, L.V.

New kind of weft feeler. Tekst.prom.15 no.8:28-30 Ag'55.  
(Looms) (MLRA 8:11)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZEVAKIN, L.V.; SIDOROVA, Yu.P., red.; AKSENOVA, I.I., red.; KNAKIN, M.T.,  
tekhn.red.

[Analysis of loom mechanisms preventing fabric weft defects]  
Analiz mekhanizmov tkatskogo stanka, preduprezhdaiushchikh poroki  
tkani po utku. Pod red. Iu.P.Sidorova. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po legkoi promyshl., 1959. 78 p. (MIRA 13:9)  
(Looms)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZEVAKIN, M.; MOREYNIS, I.

Device for lapping parts of the AP-20 injection pump. Avt. transp.  
34 no.1:19-20 Ja '56. (MLRA 9:5)  
(Machine-shop practice) (Automobiles--Fuel systems)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6

ZEVAKIN, M.I.

Ethnogeny of the Burtasses; new documents and materials. Izv.  
Vses. geog. ob-va 96 no.3:213-220 '64 (MIRA 17:8)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964510009-6"

ZEVAKIN, S.A.

"On the Seeking of the Limit Cycle of Systems which Differ a Little from Certain Non-Linear Systems", PMM 15, 237-244 (1951).

ZHDANOV, V.; KHRISTOV, L.; MURAV'YEV, M.; RYZHOV, A.; VASHKOV, V.; FEDOSOVA, A.  
POGODINA, L.; KLECHETOVA, A.; SUBBOTIN, A.; ZAKHAROVA, Ye.; GANDEL'S-  
MAN, B.; SAZONOVA, N.; ZEVAKINA, I.; KUDRINSKIY, I.; MISKAROV, D.;  
KHANENYA, F.

Professor A.N.Tregubov; obituary. Gig. i san. 21 no.10:63 o '56.  
(MLRA 9:11)

(TREGUBOV, ALEKSANDR NIKOLAEVICH, 1888-1956)

ZEVAKINA, I.S.

Tenth annual scientific conference of the Central Research Disinfection Institute of the Ministry of Health of the U.S.S.R. Zhur. mikrobiol. epid. i immun. 27 no.6:119-122 Je '56. (MIRA 9:8)  
(DISINFECTION AND DISINFECTANTS)

ZEVAKINA, I.S.

Foreign literature; summaries on problems of disinfection, insect control, and deratization. Zhur.mikrobiol. epid. i immnno. 29 no.7 138-144 J1 '58 (MIRA 11:8)

- (ANTISEPSIS AND ASEPSIS,  
annotated bibliog. (Rus))
- (INSECTICIDES,  
same (Rus))
- (BATS,  
eradication, annotated bibliog. (Rus))

ZEVAKINA, R. A.

"Short-Range Variations of the Geomagnetic Field and Their Connection to Geophysical Phenomena," Tr. N. -i. in-ta zemn. magn., 9, 1953, pp 46-81

Short-range variations of the terrestrial magnetic field are analyzed, using data of 13 magnetic observatories of the Soviet Union, located between 80 and 39° N. latitude, during the period 1944-1949. Supplementary data are offered by two special inductive magnetometric stations near Moscow and Pamir. The appearance of short-range variations is different at various hours of the day. Great polar oscillations are conspicuous in the morning, sinusoidal and complex harmonics appear during daytime in tempered, and at night, in southern latitudes. The frequency of the phenomena also has an 11-year cycle.

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